ZODIAC

BARACUDA®

The high performance option.

Pacer™

INSTRUCTION MANUAL

EXCLUSIVE BARACUDA® DIAPHRAGM TECHNOLOGY

NO FRILLS ~ NO HASSLES

Dear Customer,

Thank you for buying a BARACUDA® PACER. It is thanks to you that we have become a worldwide market leader.

Your BARACUDA® PACER features a lightweight, streamlined counterweight assembly which improves speed and manoeuvrability.

- Your BARACUDA® PACER has no moving parts to jam, wear, or come adrift. No nuts, bolts, screws, gears or wheels to corrode.
- Its innovative diaphragm system sucks up dirt, debris, bugs, leaves, and even pebbles.
- The Adjustable Inner Body (AIB), incorporated into all BARACUDA® models, increases efficiency and makes diaphragm maintenance quick and easy.
- The ingenious deflector wheel virtually eliminates cleaning problems caused by severe angles and pool steps.
- Your BARACUDA® PACER will quickly and quietly clean an average pool wall-to-wall, top-to-bottom in a normal filtration cycle (excluding steps and martini seats).
- In the event of requiring repairs/spares, please take your BARACUDA® PACER to your closest Pool Shop or alternatively please phone our Customer Care Hotline 0800 110 885 and we will direct you to the BARACUDA® Service Centre nearest to you.

IT'S EASY TO INSTALL. JUST READ THE INSTRUCTIONS IN THE MANUAL CAREFULLY.

THE CONTENTS OF YOUR BARACUDA® PACER BOX IS AS FOLLOWS:

- One BARACUDA® PACER Machine Head
- One Hinged Ribbed Segmented Disc (located at the bottom of the box)
- One Auto Weir Valve
- One Hose Weight (not In Head)
- One Hose Protector Mesh (not In Head)
- Eight Hose Sections (not In Head)
- One Medium Deflector Wheel

(For parts identification, refer to Section 7)

This pool cleaner is covered by one or more of the following patents. 93/3061, 84/10036, 86/1841, 86/6841 and 89/6105, Registered design number 89/1160

BARACUDA® is a Registered Trade Mark.

PACER® is a Trade Mark.

Specifications and equipment subject to change without prior notice.

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SECTION 1 – INSTALLATION

STEP 1: Preparing your pool and filtration system

IMPORTANT

To ensure the best performance from your BARACUDA® PACER, the filtration system must be operating at its MAXIMUM WATER FLOW before installation.

Installation is easy if you follow these simple preliminary steps:

1. **Empty** the weir basket.
2. **Clean** the pump basket.
3. **Backwash** the filter until sight glass is clear.
4. **Adjust** all return jets (whether your pool has one, two or more) to point downwards and towards each other so that you DO NOT see a circular water flow or waves on the surface of your pool.

STEP 2: Assembling your BARACUDA® PACER

1. Start by removing the main body of the BARACUDA® PACER from its box, together with the segmented disc. Slide the segmented disc onto the flexi-foot as in Diagram 1. You should always start at one of the flat edges on the flexi-foot. Make sure that the disc fits tightly onto the flexi-foot, and rotates once installed.

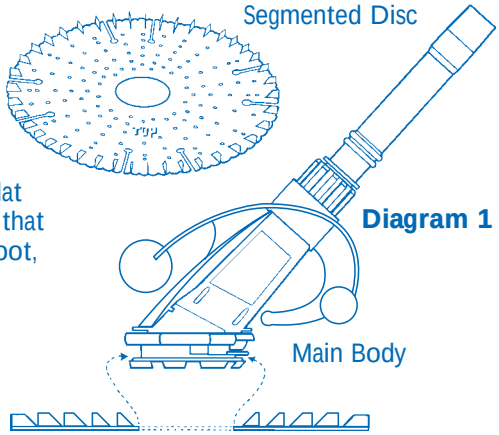
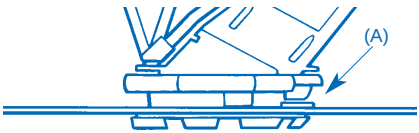


Diagram 1

Diagram 2



2. Position the Disc underneath the Stop Block (A) then position under the Disc retaining Lug (B).

3. Every BARACUDA® PACER pool cleaner is supplied with a medium deflector wheel. The purpose of this wheel is to protect the outer extension pipe, main body and also to guide the BARACUDA® PACER away from swimming pool steps or stairs. Position the deflector wheel on the outer extension pipe as in Diagram 3. Then push down firmly on the deflector wheel, the deflector wheel will click into place. Make sure the top clips are seated in the groove. Ensure that the deflector wheel rotates freely.

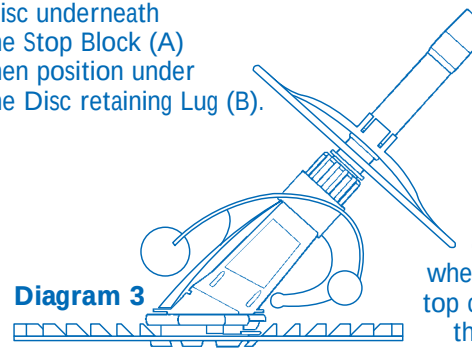


Diagram 3

STEP 3: Assembling the Hoses

1. Always insert the male hose cuff into the female cuff. Hoses must connect fairly tightly. The ideal length of hose is from the weir to the furthest point of the pool plus one extra section of hose. If the weir is opposite the steps, use the lowest step as furthest point (See Diagrams 4 and 5). To ensure the best performance from your BARACUDA® PACER, please ensure that only genuine BARACUDA® hoses are used.

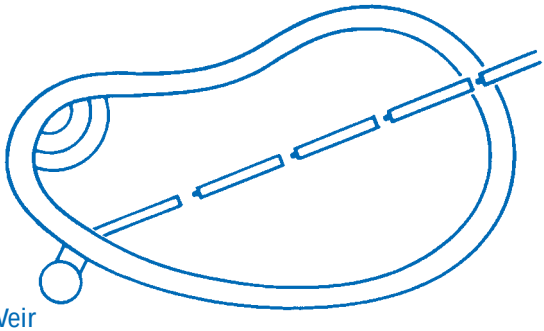


Diagram 4: Ideal Hose Length

2. Fit the hose weight to the first section of the hose ±1 metre from the BARACUDA® PACER head (Refer to Section 2 – Correct Settings).

3. Fit the Hose Protector Mesh over the cuff of the hose to prevent the hose from wearing at the weir. Position the protector mesh so that ±10cm is exposed outside the weir.

4. Bleed all the air from the hose by placing one end over the return jet – thus filling the hose length with water.

5. Keeping the hose-ends underwater, move it from the return line to the weir and connect the female cuff to the BARACUDA® Auto Weir Valve. Ensure that the BARACUDA® Auto Weir Valve is firmly attached to the hose. (Diagram 6)

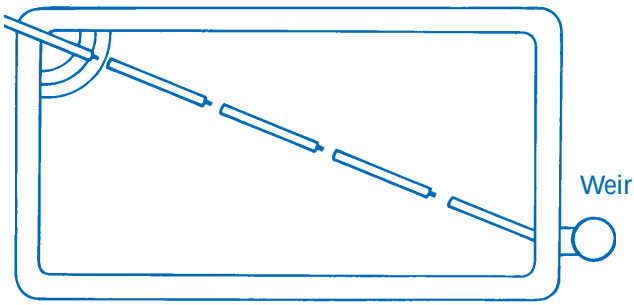


Diagram 5: Ideal Hose Length

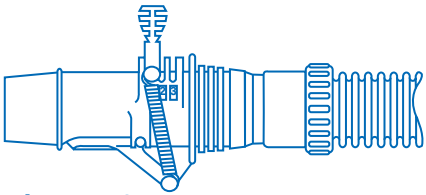


Diagram 6

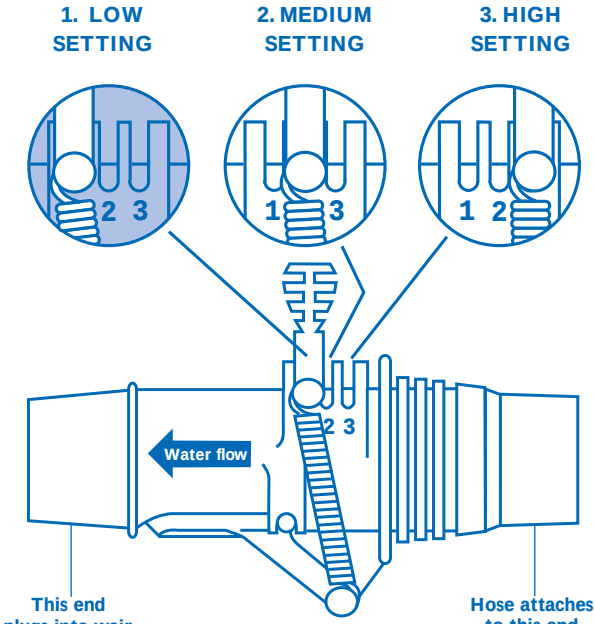
NOTE: To obtain maximum diaphragm efficiency, please ensure a genuine BARACUDA® Auto Weir Valve is used.

ADJUSTMENT SUGGESTIONS

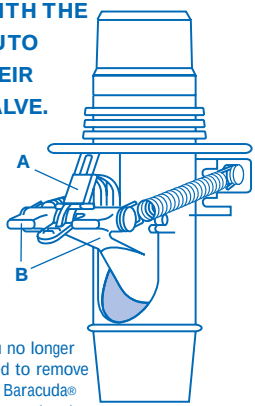
AUTO WEIR VALVE

The Baracuda® Auto Weir Valve is preset at the factory to obtain maximum pool cleaning efficiency. Your Baracuda® Pacer is preset on setting 1. However, if you do experience difficulties, it can be manually adjusted to one of the three settings (high, medium or low). You will only need to adjust the Auto Weir Valve if the following occurs:

PROBLEM	SOLUTION
The Baracuda® pool cleaner is performing too fast and/or climbing above the level of the water.	**Reduce Auto Weir Valve to medium or low setting.**
The Baracuda® pool cleaner is performing slowly and/or is not climbing the pool walls.	**Increase Auto Weir Valve to medium or high setting.**



TURNING YOUR BARACUDA® PACER OFF IS MADE EASY WITH THE AUTO WEIR VALVE.



You no longer need to remove the Baracuda® Auto Weir Valve from the weir.

Simply depress the red pivoted arm (A), until it locks open the flow door.

To recommence pool cleaner operation, release the pivoted arm (A) by pressing down on the flow door (B). It's that simple!

CORRECT BALANCING

proper balancing must be accomplished in the DEEPEST area of the pool. The buoyancy of the hose tends to LIFT the BARACUDA® PACER™ especially in deeper water. The hose weight is provided to help neutralise the buoyant effect of the hose.

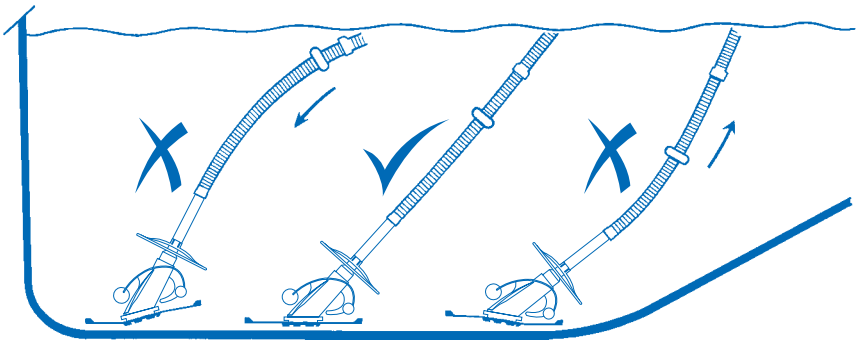


Diagram 7: Positioning of the hose weight

POOL COVERAGE

Normally it is undesirable for the return line water flow to affect the natural movement of your BARACUDA® hose. However, the return line pressure can be used to balance cleaning coverage or to guide the cleaner away from steps and corners.

A return line located anywhere along the shaded area can be utilised to gently push the hose, allowing your BARACUDA® PACER to free itself from in-pool obstacles (Diagram 8).

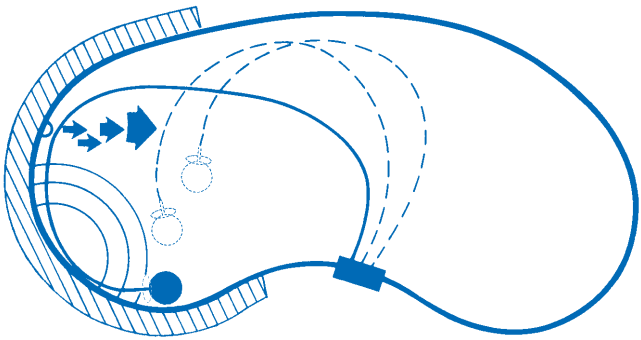


Diagram 8

SECTION 3 – REMOVAL AND REFITTING OF DIAPHRAGM

ADJUSTABLE INNER BODY (A.I.B.)

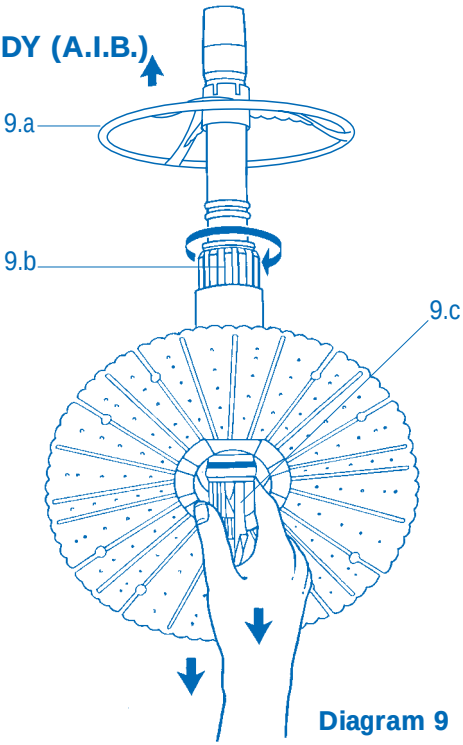


Diagram 9

The technologically advanced AIB incorporated into your new BARACUDA® PACER makes it quick and simple for you to:

- **remove** debris from the throat of the diaphragm and inner extension pipe
- **reset** the gap of the throat of the diaphragm
- **replace** the diaphragm
- **inspect** the outer extension pipe swivel, to ensure that it is turning freely.

PLEASE READ AND FOLLOW THE INSTRUCTIONS CAREFULLY

Step 1: Procedure to remove diaphragm.

Separate pool cleaner from hose.
Remove deflector wheel (Diagram 9.a).
Loosen hand-nut one and a half turns anti-clockwise (Diagram 9.b).
Grasp diaphragm lip at edge of suction hole and pull. The inner extension pipe and diaphragm will be released in one piece (Diagram 9.c).
Pull diaphragm off the inner extension pipe. If there is a blockage, carefully remove it. Do not use any sharp objects as this may damage the diaphragm.
Inspect diaphragm closely for perforations or cracks.
Even small holes will compromise its operation. If the diaphragm is damaged in any way, replace before refitting.

SECTION 3 – REMOVAL AND REFITTING OF DIAPHRAGM

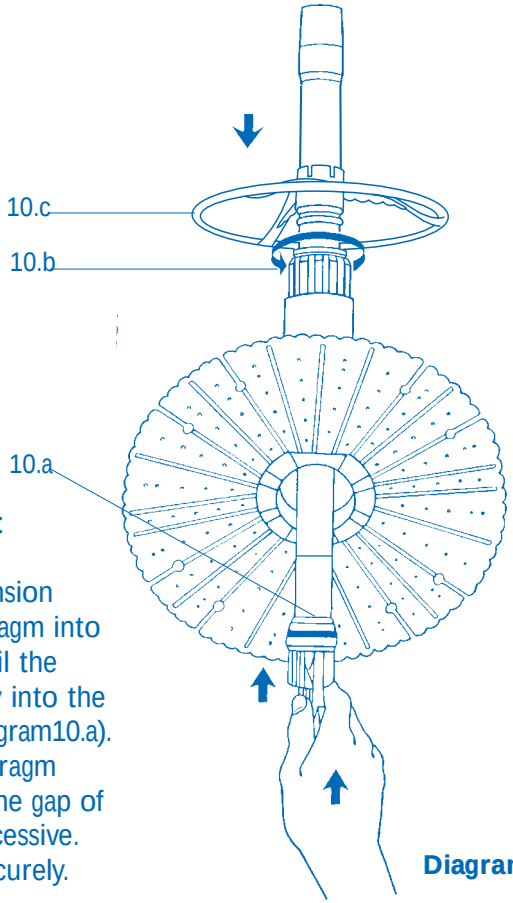


Diagram 10

Step 2: **Procedure to refit diaphragm.**

Slide the inner extension pipe with the diaphragm into the suction hole until the diaphragm fits snugly into the groove provided (Diagram10.a). Make sure the diaphragm is vertical and that the gap of the throat is not excessive. Tighten hand-nut securely.

Reset diaphragm.

If the gap of the throat is excessive (more than 5mm), yet the diaphragm is not torn or damaged, push down lightly on the inner extension pipe so as to close the gap slightly and hold in place before tightening the hand-nut (Diagram 10.b). Replace deflector wheel (Diagram 10.c). Re-install pool cleaner and switch on pump.

NOTE:
The procedure of removing and refitting the diaphragm could, in itself, rectify a performance problem, eg. working erratically, as it resets the diaphragm to its correct length.

SECTION 4 – HOW TO KEEP YOUR BARACUDA® PACER™ HAPPY

However good an automatic pool cleaner is, remember that it was developed to assist you with the maintenance of your swimming pool. From time to time it will need a little assistance from you. Here's what you can do to help:

1. **Weir** basket, pump strainer basket, cartridge filter, skim filter, sand filter (whichever is applicable) should be thoroughly cleaned on a regular basis to ensure optimum pool cleaner efficiency.
   NB: ALWAYS disconnect the hose from the weir or vacuum line BEFORE backwashing your filter.
2. **Always** store your BARACUDA® hoses in a straight line – never coil or leave hose coiled in the sun.
3. **Periodically** inspect parts for wear. The flexi-foot, disc, and deflector wheel are the most critical. As the disc wears, it begins to curl at the outer edges. When the depth of the channels between the treads on the flexi-foot are 3 mm or less, replace the flexi-foot.
4. **In the** event of an object becoming stuck in the diaphragm, clear it quickly and easily by following the simple instructions laid out for maintenance under Section 3 – Removal and Refitting the Diaphragm.

IMPORTANT

Sunlight (ultraviolet rays), water and swimming pool chemicals can take their toll on your automatic pool cleaner. To extend the lifespan of your BARACUDA® PACER and hose:

1. **Ensure** that your PH is at 7,2 – 7,6 at all times as recommended.
   A low PH is detrimental to most types of plastics and rubbers and will seriously damage your Automatic Pool Cleaner.
2. **Remove** your BARACUDA® PACER from the pool before chemical shock treatment and re-install it after a minimum of four hours

RECOMMENDED WATER BALANCE

Chlorine:
1,0 – 1,5 ppm

pH Level:
pH Fibreglass: 7,0 – 7,2 pH Marbelite: 7,2 – 7,6

Total Alkalinity:
80 – 120 ppm

NOTE: Due to the harsh environment in which your pool cleaner operates, your BARACUDA® PACER may discolour during normal use over a period of time. This, however, will not affect the cleaning performance of your unit.

SECTION 5 – TROUBLE SHOOTING

PROBLEMS	CHECKS	SOLUTIONS
The BARACUDA® PACER does not reach the shallow end of the pool or moves in a fixed pattern.	Is the hose long enough?	Add more sections of hose.
	Is the hose affected by the return flow?	Adjust the return outlet towards the bottom of the pool to make sure that the jet of water does not influence the direction of the BARACUDA® PACER hose.
	Are the hose lengths straight?	Make sure that the hose lengths are in good condition. Never roll up/coil hoses.
The BARACUDA® PACER climbs above the water level.	Is there too much suction?	Check that the Auto Weir Valve is not blocked by leaves, preventing the water from flowing through the Auto Weir Valve.
The BARACUDA® PACER does not climb the walls easily.	Is there sufficient suction?	Make sure the filter is clean.
The BARACUDA® PACER falls on its side.	Is the float damaged?	Return to your nearest BARACUDA® PACER Dealer for checking.
	Is the counterweight firmly fixed to the main body?	Lack of equilibrium inside the floating system. The BARACUDA® PACER should be returned for checking.
	Is the outer extension pipe swivelling freely?	Return to your nearest BARACUDA® PACER Dealer for checking.

SECTION 5 – PROBLEM SOLVING

PROBLEMS	CHECKS	SOLUTIONS
The BARACUDA® PACER works slowly or not at all.	Is the sand filter clean?	Backwash the filter thoroughly.
	Are the baskets clean?	Remove baskets, clean thoroughly. (Baskets must be in good condition).
	Is the vacuum lid sitting flush in the weir?	Remove and re-install.
	Are the Auto Weir Valve and the hose secure?	Make sure that the connections are sealed.
	Is the Diaphragm operational?	Refer Section 3. (Removal and refitting of diaphragm pages 6 – 7).
The BARACUDA® PACER is working slowly and air bubbles are noticable at the return jet.	Is there a leak in the system?	Possible problem areas: • Possible leak at pump lid. • Check the pump lid o-ring. • Possible leak in the hose.
	Is the Auto Weir Valve below water level?	Check level of water.
The BARACUDA® PACER is sticking in corners or at the steps.	Is the deflector wheel properly installed?	Ensure that the deflector wheel is fixed in position and rotates freely.
		Use the return flow jet to push hose away from steps. (Refer to “Pool Coverage” page 5).
	Check hose length (Refer Section 1 page 3)	Shorten the hose so that it does not reach the steps.

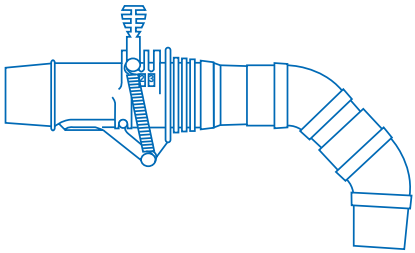
SECTION 6 – OPTIONAL ACCESSORIES

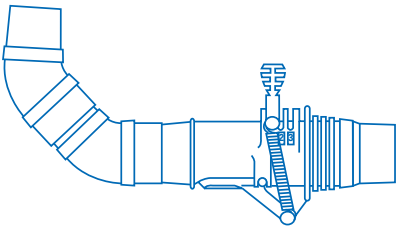
1. WEIR ADAPTOR

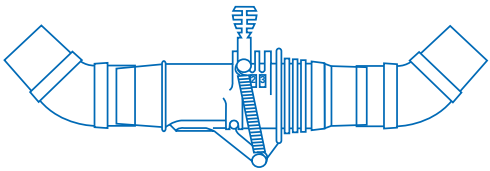
Fits suction inlets from 40 to 60 mm.

2. WEIR COMBINATIONS

Auto Weir Valve and weir elbows illustrating some of the different combinations that can be used.

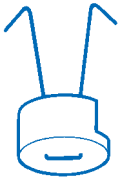


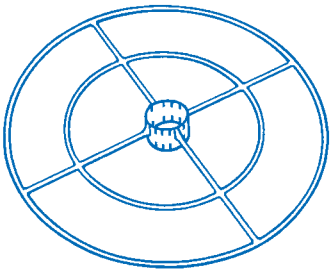




3. AIM FLOW DIVERTER

To allow pool cleaner to clean close to return flow.



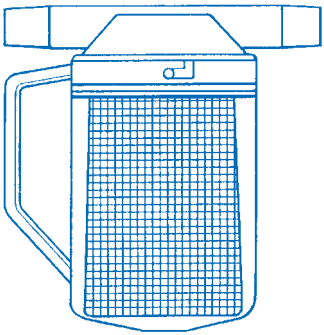


4. LARGE DEFLECTOR WHEEL

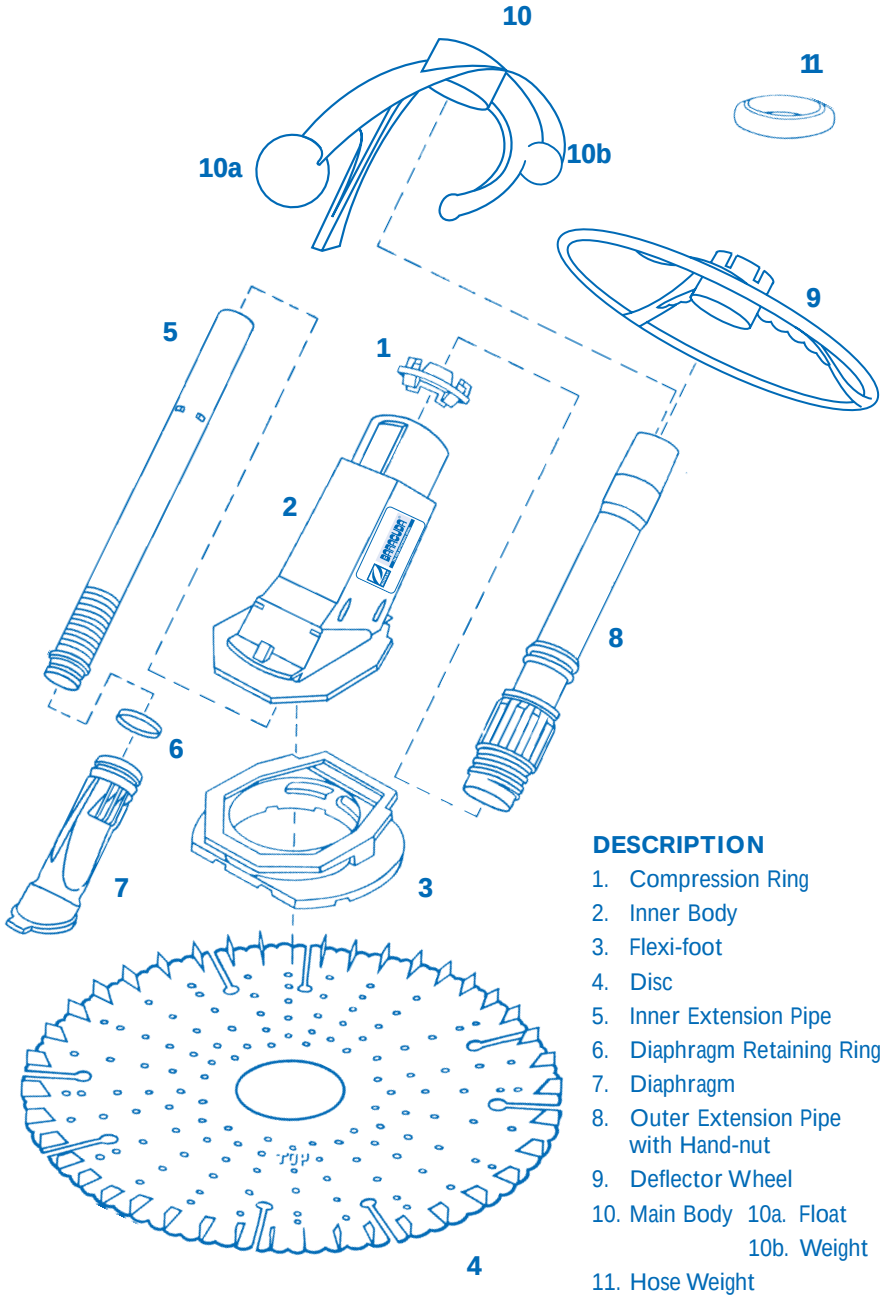
If unit sticks in difficult corners, eg. steps.

5. IN-LINE LEAF EATER™

An in-line filter which collects leaves, seeds, twigs and grit before it reaches the weir. Connects 300 mm from weir in-line with the hoses.



SECTION 7 – PARTS IDENTIFICATION



DESCRIPTION

1. Compression Ring
2. Inner Body
3. Flexi-foot
4. Disc
5. Inner Extension Pipe
6. Diaphragm Retaining Ring
7. Diaphragm
8. Outer Extension Pipe with Hand-nut
9. Deflector Wheel
10. Main Body 10a. Float
    10b. Weight
11. Hose Weight

SECTION 8 – AT YOUR SERVICE

If you are having a problem you cannot solve, mail or fax us the following information, along with a sketch of your pool shape, indicating the location of all weirs, vacuum lines, inlets, stairs, ladders, spas, waterfalls, etc or other significant features, and briefly describe the problem.

(Send a photocopy and retain this page for future use.)

Mail to: Zodiac Pool Care South Africa, (Pty) Ltd, Private Bag X127, Halfway House 1685, or
Fax to: (011) 314-5225

Your Name_____ Tel. No._____

Postal Address_____

_____ Code_____

Serial No _____ Purchased from _____ Purchase Date _____

Pool Surface (Tick one): Plaster ☐ Vinyl ☐ Fibreglass ☐

Other_____

Pool size (L)_____ Pump Size_____

Type of Filter (Tick one): Sand ☐ D.E. ☐ Cartridge ☐

Filter Size (or Model No.)_____

Briefly describe the problem:_____

Toll-free customer care hotline 0800 110 885 www.zodiac.co.za

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WARNING!

In terms of Section 2 of the Import and Export Control Act of 1989 (Act 45 of 1983), it is illegal to export automatic pool cleaners and parts thereof. Section 4 of the Act provides that anyone convicted of exporting automatic pool cleaners and parts thereof may be sentenced to a 10 (ten) year term of imprisonment and a fine of R40 000 (forty thousand Rand).

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